INSA NEWS

Issue 69

April 1984

Golden Jubilee Special

INDIAN NATIONAL SCIENCE ACADEMY NEW DELHI

PM accompanied by Prof. A. K. Sharma (President) and Prof. M. G. K. Menon (Inmediate Past President) walking to the dais for inaugurating the Golden Jubilee Celebrations of INSA at Vigyan Bhawan on January 16, 1984. Others seen in the picture are Prof. S. K. Joshi, Dr. T. N. Khoshoo, Dr S. Sriramachari and Profs. C. N. R. Rao and P. N. Tandon.

The Consultative Committee Meeting of the Federation of Asian Scientific Academies and Societies (FASAS) held at INSA on January 15, 1984.

Cover:
The inaugural function of INSA Golden Jubilee.

INSA ENTERS FIFTIETH YEAR

Prime Minister Inaugurates Jubilee Celebrations

The Indian National Science Academy has entered its 50th year. As the academy reached this landmark at the dawn of 1984, greetings and felicitations poured in from the world of science everywhere as eminent scientists from as many as 15 countries gathered in New Delhi to participate in the celebrations.

At a colourful function held in Vigyan Bhawan on January 16, the Prime Minister inaugurated the celebrations in the presence of a large and distinguished gathering comprising eminent men and women of science from within the country and from Afghanistan, China, France, Hungary, Japan, Malaysia, Nepal, Norway, Pakistan, Poland, Singapore, Sri Lanka, United Kingdom, USA and USSR.

Welcome Address

Welcoming the august assembly, the President of the Academy, Professor A K Sharma traced the genesis of the Academy and the highlights of its 49 eventful years from its beginnings as the National Institute of Sciences of India in Calcutta in 1935. He presented an overview of programmes and activities of the Academy in the context of its Charter of Objectives for generation of knowledge, promotion of excellence, execution of programmes of national and international relevance, dissemination of knowledge, popularization of science through Academy's publications and safeguarding the interests of scientists. Professor Sharma also outlined the new activities and programmes initiated in the Golden Jubilee Year in various spheres which included the construction of a science complex on the premises of the Academy to provide space for the expanding programmes for which he appealed for larger financial assistance and donations.

The President referred to the Academy's activity of identifying young talent through selection of young scientists which had come to be regarded as the highest form of recognition a young scientist could aspire to in this country. The success of the programmes is reflected in the fact that 80 per cent of the young scientists have been able to secure a congenial atmosphere in pursuit of research within the country, thus underlining the need for further strengthening of the programme in the Jubilee Year. It had also been decided to suitably utilize the services of INSA Fellows who were active in research after their retirement in the preparation of scientific documents, programmes and projects, both of applied and basic character.

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Concluding, the President stressed the need for maintaining the autonomy of the Academy to promote excellence, generate a wide base of scientific knowledge and advise the Government on issues of national relevance. The expanding activities require additional financial resources which the Academy was striving hard to obtain. He expressed the hope that these needs would be met by the Department of Science and Technology and the Academy would be accorded the status which it deserves as the supreme scientific organization in the Country.

Prime Minister's Address

The Prime Minister Shrimati Indira Gandhi described the occasion as 'something special'—the Golden Jubilee of an organization recognized as the premier society representing all branches of science in India. She referred to the founding of the Academy by pioneering scientists long before India became free and the coming into being of other academies in arts and the sciences soon after 1947 under the inspiration of Jawaharlal Nehru and Maulana Abul Kalam Azad who symbolised resurgence of India's march towards progress.

The Prime Minister spoke of the role of the Academy in providing opportunities to scientists in different disciplines to consider the larger problems of science through cross fertilization of ideas and in guiding major national decisions in matters of development, defence and education. She wanted the Academy to examine to what extent science and technology in India had been decisive agents of dynamic and beneficial change. The Government had fully involved scientists in policy making and the people were eager to benefit from modern knowledge whether it be to raise greater yields from their fields or to find better cure for their ailments, she said.

Concluding her inspiring address, Shrimati Gandhi pleaded for international co-operation in science to reduce disparity between the technologically developed and developing while steering clear of the forces of domination and exploitation. The only way to achieve this, she noted emphatically, was through development of indigenous capabilities in science and technology in all communities and in all parts of the world.

The Prime Minister offered her warm felicitations to the Academy and expressed the hope that it will set the highest standards of professional conduct and intellectual and moral responsibility.

Lectures and Presentations

Following the Inaugural Function, the venue of the celebrations for the next two days (17-18 January) shifted from Vigyan Bhawan to the Academy Auditorium in New Delhi. The Golden Jubilee Steering Committee of INSA had

Plaques and Mementos

One of the highlights of the function was the presentation of Jubilee plaques and medals by the Prime Minister to Foundation Fellows and Past Presidents of INSA, and representatives of collaborating academies from India and abroad. The recipients were:

Foundation Fellows:

Dr K R Ramanathan
and
Dr W D West.

Past Presidents:
Prof D S Kothari (1973-74),
Dr B P Pal (1975-76),
Dr Raja Ramanna (1977-78),
Prof. V Ramalingaswami (1979-880),
Prof M G K Menon (1981-82).

Collaborating Societies and Academies in India:

Dr R K Pal (Asiatic Society, Calcutta), Prof A S Paintal (Indian Science Congress Association), Dr S Z Qasim (National Academy of Sciences, Allahabad), Prof S Ramaseshan (Indian Academy of Sciences, Bangalore).

Overseas Academies:

Prof Andre Blanc-Lapierre. (French Academy of Sciences), Prof Erno Nemcez (Hungarian Academy of Sciences), Dr Sogo Okamura (Japan Society for Promotion of Science), Prof. Jul Laag (Norwegian Academy of Sciences), Prof. Leonard Sosnowski (Polish Academy of Sciences), Sir Andrew Huxley (The Royal Society, London) and Prof A L Yanshin (USSR Academy of Sciences).

Adhering Organisations:

Prof B Shah D Jalal (Afghanistan Academy of Sciences), Prof Anna Harrison (American Association for the Advancement of Science), Prof T P Feng (Chinese Academy of Sciences), Dr Mohammad Omar (Malaysian Scientific Association) Dr. Mahindra Giri (Royal Nepal Academy of Sciences), Dr Karimullah (Pakistan Academy of Sciences), Prof A N Rao (Singapore National Academy of Sciences), Dr N D Wijesekera (National Academy of Sciences of Sri Lanka).

Memento to Prime Minister

On behalf of the Fellowship of INSA, the Academy President, Prof. Sharma, presented to the Prime Minister a Souvenir as a mark of appreciation of her sustained interest in and continued support to the cause of science in India.

The Prime Minister then unveiled a model of the new Science Complex of the Academy for which an initial donation of Rs 10 lakhs was presented to her by Dr Biren Roy, an aeronautical engineer of repute on behalf of a Trust named after him in Calcutta.

The Science Complex building will provide the much needed space for the expanding national and international activities of the Academy and will have guest room facilities to accommodate visiting scientists from within the country and overseas.

lined up a sumptuous fare for the Fellowship, guests and the distinguished audience who had the unusual experience of hearing from the same platform in quick succession, a galaxy of scientists and visiting academicians.

The first of these was the Fifth Blackett Memorial Lecture by Sir Andrew Huxley, N. L., President of the Royal Society, London, on 'Science and Politics'. Sir Andrew brought out the peculiarities of these two areas of activities and observed that politics is perhaps the art of managing people by persuation while science is the systematic effort to understand and to control nature. He dwelt on the political implications of governmental support to science and interaction between science and government in relation to tendering advice to government on general problems of policy. In conclusion, Sir Andrew made some interesting observations on the treatment of scientists who disagree with the regimes of the country in which they live and on the question of maintaining the independence of scientific academies.

Listed below are the other presentations made on January 17-18, 1984. The full texts of these will be published in the proceedings of the Celebrations being brought out shortly.

1. *Fifty Years of Particle Physics*—M G K Menon, Past President, INSA and Member Planning Commission, New Delhi.
2. *Impulse Activity Not the Sole Determinant of Skeletal Muscle Fiber Type*, T. P. Feng, Vice-President, Chinese Academy of Sciences.
3. *Some Applications of Signal Processing in Space and Medical Techniques*—Andrew Blanc-Lapierre, Vice-President, French Academy of Sciences.
4. *University—Industry Research Interaction in Japan*—Sogo Okamura, Director-General, Japan Society for Promotion of Science.
5. *Geomedicine*—Jul Laag, President, Norwegian Academy of Sciences and Letters.
6. *Semimagnetic Semiconductors*—Leonard Sosnowski, Chairman, Polish Academy of Sciences, Warsaw.
7. *Science, Scientists and Society*—Anna J. Harrison, President, American Association for the Advancement of Science.
8. *Problems of Tectonics in Asia*—A L Yanshin, Vice, President, USSR Academy of Sciences, Moscow.
9. *Science and Values*—D S Kothari, Past President, INSA and Chancellor, Jawaharlal Nehru University, New Delhi.

Federation of Asian Scientific Academies and Societies (FASAS) Set

The Federation, which came into being on the eve of INSA Golden Jubilee, is the outcome of the deliberations of the workshop on the Role of Scientific Societies and Academies in National Development held at New Delhi in November 1983.

A 15-member Consultative Committee set up by the Workshop decided to constitute a Federation of the Asian Scientific Academies and Societies, FASAS for short, with the following aims and objectives:

(a) To stimulate regional cooperation and promote indigenous national competence and collective self-reliance in science and technology;
(b) to identify problems of regional interest, determine priorities and organise programmes and projects of mutual interest;
(c) to encourage exchange of scientists and scientific information; to organize joint workshops/seminars/ symposia/training programmes and to promote research programme in identified areas of interest to the member Academies/Societies;
(d) to prepare state-of-art reports to provide awareness services and information to the public, the policy/ decision makers; and
(e) to enhance the image and impact of academies and socieites in national and regional development;

FASAS starts with a membership of 11 societies and academies of Afghanistan, Bangladesh, China, India, Malaysia, Nepal, Pakistan, Philippines, Singapore, Sri Lanka and Thailand. Its management is entrusted to an Executive Council elected for three years (1984-86) with Prof A K Sharma (India) as *President*, Prof Yan Dongsheng (China) as *Vice-President*, Dr M K Rajakumar (Malaysia) as *Secretary* and Prof Aug Kok Peng (Singapore) as *Treasurer*. In addition to the national members, COSTED is also represented on the Council by its *President*, Prof Y Nayudamma.

The FASAS Secretariat will be located at INSA for the present and will be managed by Mr A K Bose and Dr S Radhakrishna, *Joint Secretaries*. □

Golden Jubilee Publications

Earlier, the Prime Minister released a number of prestigious publications brought out by the Academy on the occasion. These included a Compendium of Fellows of INSA, past and present; *Science in India—A Changing Profile; Antarctica-the Unknown Continent of Unexplored Wealth; Addresses by Presidents—1935-84; Medal Lectures*—a collection of lectures delivered by eminent men of science who have been recipients of various medals and honours from the Academy, plus a number of perspective, status and national relevance reports on subjects of topical interest. More of such reports have been planned for publication during the jubilee year.

For a complete list of these, readers are referred to *Proceedings* of the Golden Jubilee Celebrations to be published shortly.

Albert Einstein Professorship

Prof. G N Ramachandran, FRS, Distinguished Scientist, has been awarded the first Albert Einstein Professorship by the Academy. The announcement was made by the President, Prof. A K Sharma at the Inaugural Function.

The award has recently been instituted by the Academy in recognition of high level of excellence in research and is comparable to National Professorship. The appointment is tenable for five years in the first instance.

Vote of Thanks

Prof. M G K Menon, Member, Planning Commission and Immediate Past President of the Academy gave the finishing touches to this solemn and dignified function. He said the Academy was indeed privileged to have the Prime Minister inaugurate the Golden Jubilee Celebrations. The occasion had brought together very distinguished scientists from distant lands to participate in the event. It was only through co-operation among the scientists of the world that there could be hope for a better future for mankind. The Prime Minister had befittingly reminded the scientists of the need to look at the past achievements in

terms of the science policy resolution adopted by the country, both in terms of development of our society and international co-operation and amity.

NEW VISTAS IN ORGANOMETALLIC CHEMISTRY

The International Symposium held at Jaipur from 5 to 9 March 1984 formed part of the Golden Jubilee Celebrations. It was attended by 17 distinguished participants from France, Germany, U.K., and U.S.A. in addition to those from India.

The unique interdisciplinary character of Organometallic Chemistry was borne out by the wide range of subjects discussed and also by the fact that the participants from all major conventional branches of chemistry—inorganic, organic and physical chemistry as well as chemical physics—took part in the deliberations.

The Convener, Prof. R C Mehrotra proposed that it might be appropriate to extend an invitation to India for the biennial international conference on Organometallic Chemistry to be held under the auspices of the IUPAC in the near future. While welcoming the suggestion, Professor E W Abel informed the audience that the XII and XIII Organometallic International Conferences had already been agreed to be held in 1985 at Vienna (Austria) and in 1987 at Padua (Italy) and therefore, the earliest date for India hosting the Conference could be 1989.

FORTHCOMING JUBILEE PROGRAMMES

The Golden Jubilee Steering Committee of the Academy has scheduled the following symposnia during 1984:

1. Surface—Science & Technology, September 1984.
2. INSA-IUBS Symposium on Bioindicators, October 1984.
3. IASPEI Regional Assembly of IUGG, Oct-Nov. 1984 at N.G.R.I., Hyderabad.
4. Future Directions in Chemical Research, November 1984 at I.I.T., Kanpur.
5. Tree Biology, December 1984.
6. Plant Protection in the Year 2000, November 1984.
7. International Symposium on Biomolecular Structure and Interaction, December 1984 at I.I.Sc., Bangalore.
8. Frontiers of Nuclear Physics, December 1984.
9. Advances in Cell, Molecular and Developmental Biology (*date to be finalized*)
10. Symposium on MAP Results (*date to be finalized*)
11. Science, Technology and Social Changes in the First Half of the 20th Century (*date to be finalized*)

International Activities

Fifteenth Meeting of the SCOPE Executive Committee

The fifteenth meeting of the SCOPE Executive Committee was held in New Delhi during February 5-8, 1984 at the invitation of the Indian National Committee for SCOPE and the Indian National Science Academy. Fifteen national committees and four unions were represented. At the special invitation of the President of SCOPE, the Chairman of several SCOPE projects participated in the opening session.

The session was opened by the President of the Indian National Science Academy, Prof. A. K. Sharma who discussed the various categories of recently developed human activities that constitute a danger for the biosphere including the risk of nuclear conflict with its consequences. Participants came from U.K., U.S.A., Egypt, France, Sweden, Federal Republic of Germany, Japan, Canada, Poland, India, Netherlands, USSR, Australia, Taiwan and South Africa. After a general review and discussion of ongoing SCOPE projects and proposals for four SCOPE activities, six working groups were constituted to assist the Executive Committee in its decisions.

On February 9, a one day Symposium was organised by the Indian National Committee for SCOPE on 'Environmental Problems of Immediate Relevance.' It was introduced by the President of the Indian National Science Academy, Prof. A. K. Sharma. The keynote address

was delivered to the participants by Dr T. N. Khoshoo, Secretary to the Government of India, Department of the Environment.

Prof. C. R. Krishna Murti, Chairman of the Indian National Committee for SCOPE presented the first volume of the collection of case studies, 'Facets of Environmental Problems' newly published under the auspices of the National SCOPE Committee.

Enuwar Workshop

The second workshop of the ENUWAR project was held on February 10 and 11 under the chairmanship of Sir Frederick Warner, FRS. After an address by Prof. M. G. K. Menon, the immediate past President of the Indian National Science Academy, the plenary session began with the presentation of working documents.

INSA GOLDEN JUBILEE FUND

Since the setting up of the Fund in January last to raise resources to carry out the various Jubilee programmes and projects, including the construction of the science complex building adjacent to the present INSA Headquarters in New Delhi, generous donations have been coming in from organizations and individuals all over India. These we gratefully acknowledge through the list of donors published here.

S.No.	Institutions and Organisations	Amount (Rupees in lakhs)
1.	Department of Science & Technology	5.000
2.	Department of Environment	5.000
3.	Oil and Natural Gas Commission	5.000
4.	Department of Space	2.000
5.	Department of Ocean Development	2.000
6.	Sir Dorabji J. Tata Trust	1.000
*7.	Prof. Biren Roy	1.000
8.	Council of Scientific and Industrial Research	1.000
†9.	Department of Atomic Energy	0.330
††10.	Ministry of Defence, DRDO	0.100
11.	University of Delhi	0.010
		22.440

*Total Donation announced Rs. 10 lakhs
†Total Donation Announced Rs. 1.5 lakhs
††Total Donation announced Rs. 2.10 lakhs

Fellows and other Individuals

S.No.	Name	Amount
1.	Prof. A. R. Kidwai (Governor of Bihar)	2,000.00
2.	Dr. B. Ramamurthi	2,000.00
3.	Prof. R. C. Mehrotra	1,001.00
4.	Prof. P. V. Sukhatme	1,001.00
5.	Dr. Sukh Dev	1,001.00
6.	Prof. A. K. Sharma	1,000.00
7.	Prof. (Mrs.) A. Sharma	1,000.00
8.	Dr. C. R. Krishna Murti	1,000.00
9.	Dr. R. S. Vasudeva	1,000.00
10.	Prof. R. P. Roy	750.00
11.	Prof. R. M. Kasliwal	551.00
12.	Dr. N. R. Tawde	501.00
13.	Prof. D. S. Bhakuni	501.00
14.	Prof. Dinesh Mohan	500.00
15.	Prof. M. M. Sharma	500.00
16.	Dr. A. S. Arya	500.00
17.	Dr. N. C. Ganguli	500.00
18.	Dr. K. R. Nair	500.00
19.	Shri S. K. Giridhar	500.00
20.	Prof. J. S. Singh	500.00
21.	Prof. M. N. Viswanathiah	500.00
22.	Prof. S. S. Shrikhande	500.00
23.	Prof. P. N. Tandon	500.00
24.	Prof. W. D. West	500.00
25.	Prof. G. K. Manna	500.00
26.	Dr. Hansraj Gupta	500.00
27.	Prof. D. V. Singh	500.00
28.	Prof. S. K. Joshi	500.00
29.	Prof. U. S. Srivastava	500.00
30.	Dr. N. Rudraiah	500.00
31.	Dr. G. N. Ramachandran	500.00
32.	Prof. S. S. Jha	500.00

S.No.	Name	Amount
33.	Dr. B. N. Uppal	500.00
34.	Dr. P. K. Sen	500.00
35.	Dr. K. B. Lal	500.00
36.	Dr. L. N. Kailasam	500.00
37.	Prof. N. Balakrishnan Nair	500.00
38.	Dr. V. G. Bhide	500.00
39.	Dr. B. M. Johri	500.00
40.	Dr. C. K. Majumdar	500.00
41.	Shri A. K. Bose	500.00
42.	Dr. Nitya Anand	500.00
43.	Dr. C. Nanjundayya	303.00
44.	Prof. L. S. S. Kumar	300.00
45.	Dr. D. P. Antia	300.00
46.	Dr. A. P. Roy	300.00
47.	Prof. A. N. Mitra	300.00
48.	Prof. S. K. Mitra	251.00
49.	Dr. J. C. Bhattacharyya	251.00
50.	Dr. B. P. Pal	250.00
51.	Prof. R. P. Bambah	250.00
52.	Prof. S. K. Trehan	250.00
53.	Dr. C. C. Patel	250.00
54.	Dr. R. D. Desai	201.00
55.	Prof. Jajneswar Das	201.00
56.	Prof. A. M. Khan	200.00
57.	Prof. M. S. Sinha	200.00
58.	Dr. Baldev Singh	200.00
59.	Prof. R. N. Sukheswala	200.00
60.	Dr. B. G. Deshpande	200.00
61.	Dr. R. D. Asana	137.00
62.	Prof. D. K. Dastur	102.00
63.	Prof. R. N. Tandon	101.00
64.	Prof. K. S. Valdiya	101.00
65.	Prof. J. S. Dutta Munshi	101.00
66.	Dr. A. K. Saha	101.00
67.	Prof. T. R. Kasturi	101.00
68.	Prof. K. S. Bilgrami	101.00
69.	Dr. B. S. Kadam	101.00
70.	Shri Surjit Singh	101.00
71.	Shri Dinesh Chandra	101.00
72.	Shri S. C. Kalra	101.00
73.	Shri Ram D. Taneja	101.00
74.	Dr. R. B. Chakravarty	100.00
75.	Prof. E. C. Subba Rao	100.00
76.	Prof. M. S. Kanungo	100.00
77.	Prof. D. Nasipuri	100.00
78.	Dr. K. Nagarajan	100.00
79.	Dr. S. C. Bhattacharyya	100.00
80.	Prof. A. K. Saha	100.00
81.	Dr. P. K. Iyengar	100.00
82.	Prof. K. Ramachandran	100.00
83.	Prof. P. N. Srivastava	100.00
84.	Dr. S. B. Saksena	100.00
85.	Prof. N. K. Saha	100.00
86.	Prof. S. P. Sen	100.00
87.	Prof. S. K. Sen	100.00
88.	Dr. P. M. Bhargava	100.00
89.	Prof. G. S. Sanyal	100.00
90.	Prof. S. Biswas	100.00
91.	Shri S. Rajan	100.00
92.	Shri S. K. Roy	51.00
93.	Shri B. G. Pillai	50.00
94.	Prof. A. S. Gupta	50.00
95.	Dr. Balbhadra Prasad	50.00
96.	J. Saketharaman	50.00

SYMPOSIUM ON TREE BIOLOGY

Dates : December 3-7, 1984

Venue : Indian National Science Academy, Bahadur Shah Zafar Marg, New Delhi-110 002.

Areas for Discussion

- Tree architecture & Wood biology
- Physiology
- Reproductive Biology
- Genetics and Breeding
- Pathology
- Ecology
- Utilization
- Conservation

Symposium Secretariat :
Professor H. Y. Mohan Ram
Convener, Symposium on tree Biology
Department of Botany
University of Delhi
Delhi-110 007.

PUBLICATIONS OF THE NATIONAL COMMISSION FOR THE COMPILATION OF HISTORY OF SCIENCES IN INDIA

Indian Journal of History of Science

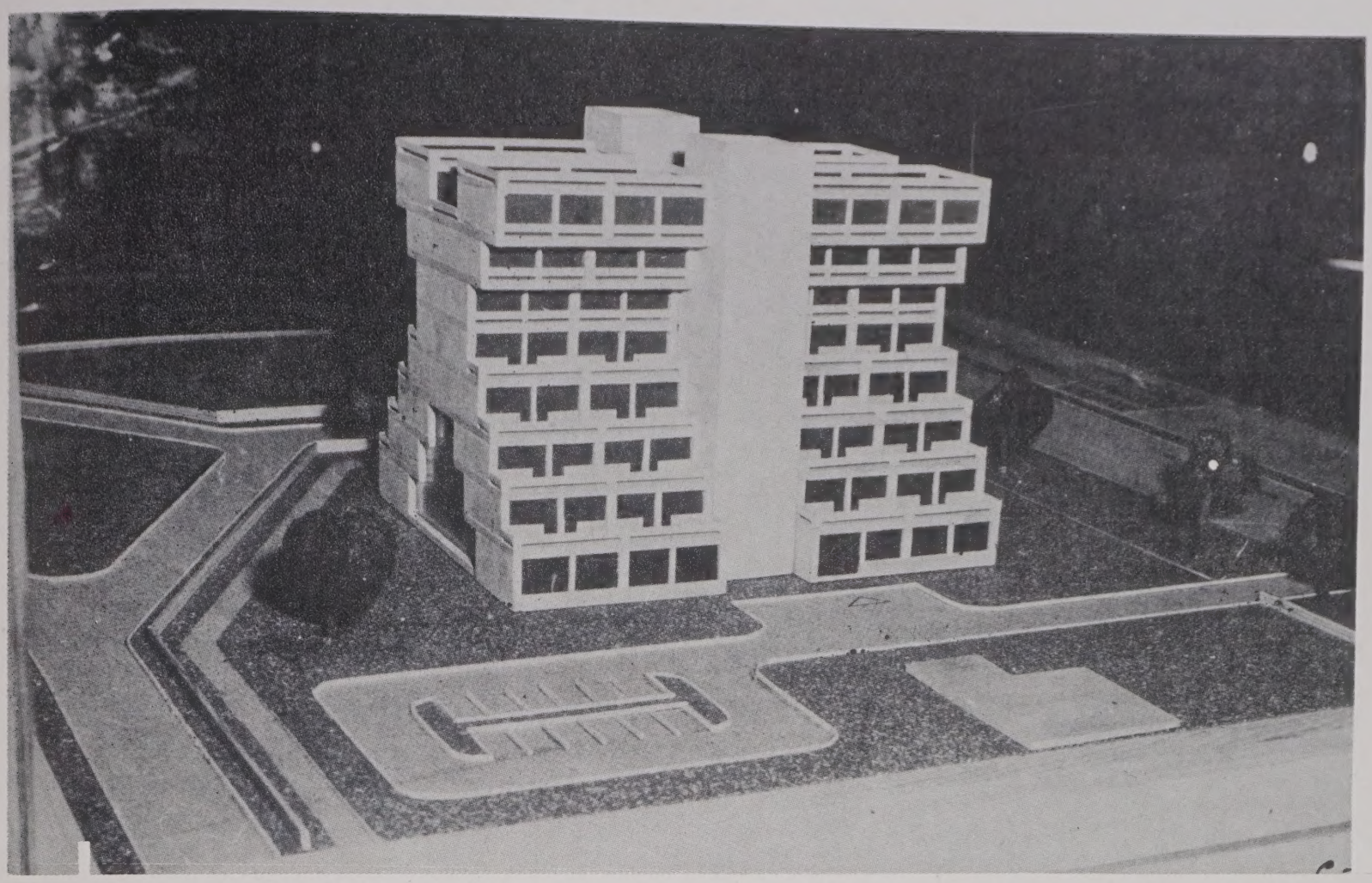
First issued in 1966. Periodicity : Bi-annual.
Annual Subscription (inclusive of postage) : Rs. 30.00 (inland); £3.00 or $8.00 (foreign).
Single issue : Rs. 20.00 (inland); £2.00 or $5.50 (foreign).

Books

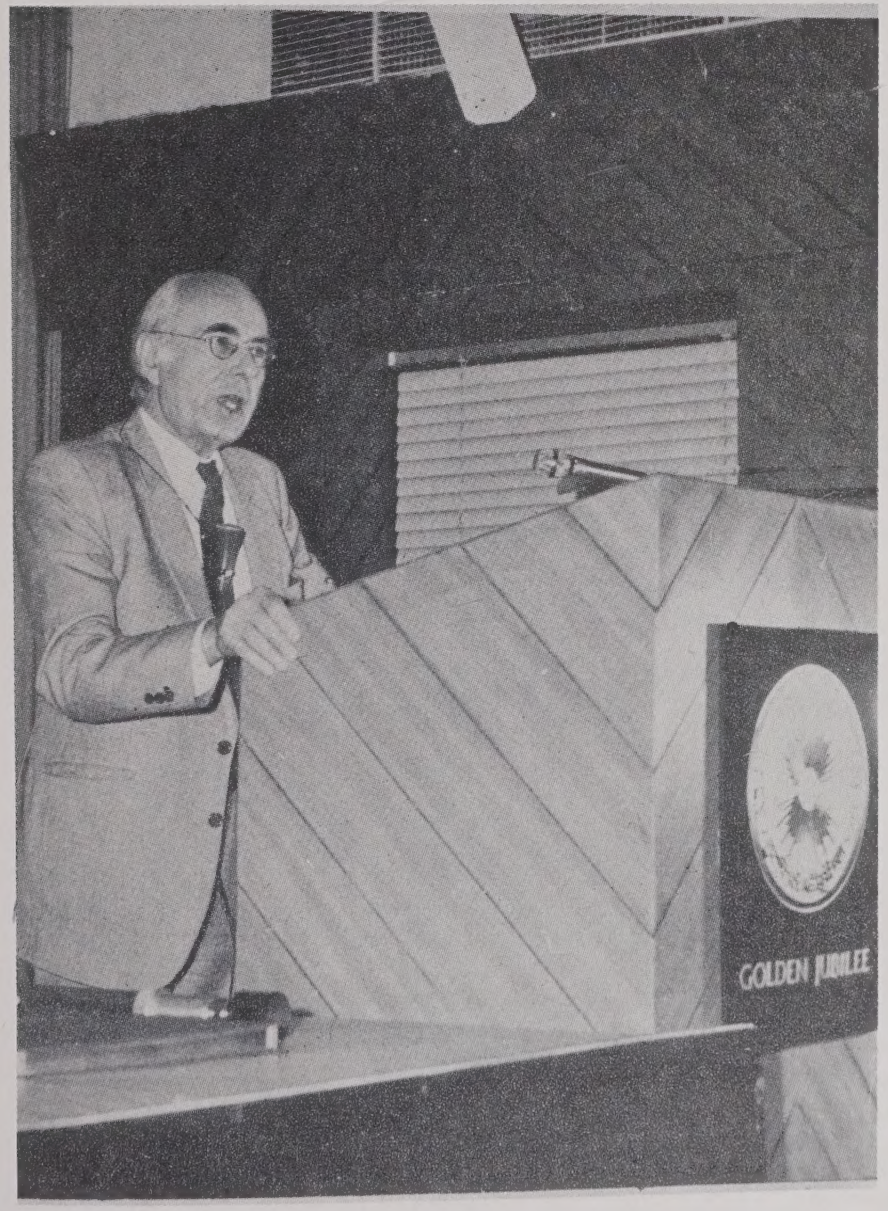
A Bibliography of Sanskrit Works on Astronomy and Mathematics by S. N. Sen	Rs. 20.00; $5.00; 35s.
Fathullah Shirazi—A Sixteenth Century Indian Scientist by M. A. Alvi and A. Rahman	Rs. 2.50; $0.33; £0.2s 9d.
Jahangir—The Naturalist by M. A. Alvi and A. Rahman	Rs. 20.00; $3.60; £1.10s.
Some Aspects of Prehistoric Technology in India by H. D. Sankalia	Rs. 10.00; $2.50; £1.00
A Concise History of Science in India edited by D. M. Bose, S. N. Sen and B. V. Subbarayappa	Rs. 50.00; $16.00; £6.00
Charaka Samhita	Rs. 30.00; $10.00
Susruta Samhita	Rs. 108.00; $36.00

AVAILABLE INSA GOLDEN JUBILEE RELEASES

		Rs. P.
1.	*Fellows of the Indian National Science Academy (Past and Present) Biographical Notes*	110.00
2.	*Antarctica (The Unknown Continent of Unexplored Wealth)* S. Z. Qasim and L. U. Joshi	7.50
3.	*Nutrition and Brain*— P. N. Tandon and G. Gopinath	20.00
4.	*Solid State Chemistry*—C. N. R. Rao	8.00
5.	*Liquid Crystals*—S. Chandrasekhar	4.00
6.	*Perspectives in Organometallic Chemistry*—R. C. Mehrotra and G. Srivastava	6.00
7.	*The Monsoons—A Perspective*—P. K. Das	7.50
8.	*Rice in 2000 AD*—M. S. Swaminathan	5.00
9.	*Environmental Chemical Mutagenesis*—Archana Sharma	25.00
10.	*Basic Building Blocks Began (...) Big Bang*—A. N. Mitra	6.00
11.	*Science in India—Changing Profile* Edited by S. K. Mukherjee, FNA and B. V. Subbarayappa	20.00
12.	*Addresses by Presidents (1935-1984) of INSA*	350.00
13.	*INSA Medal Lectures* (Set of 2 volumes)	500.00
14.	*The Dharwar Craton*—C. S. Pichamuthu and R. Srinivasan	7.00
15.	*Perspectives in Organic Synthesis*—G. Mehta and M. Nagarajan	7.00



Model of the new INSA Building unveiled by the Prime Minister on January 16, 1984.



Sir Andrew Huxley, N. L., President of the Royal Society, London delivered the Fifth Blackett Memorial Lecture on 'Science and Politics' at the INSA premises, New Delhi on January 17, 1984.

PUBLICATIONS OF THE ACADEMY

(For details please contact Associate Editor, INSA)

Proceedings

Part A (*Physical Sciences*), **Part B** (*Biological Sciences*)
First issued in 1935 as a single volume for both branches, split into two series in 1955.
Periodicity : Monthly (six issues of each part in a year)
Annual Subscription (including postage)
Inland : Rs. 120.00 (Rs. 60.00 per Part)
Foreign : £18.00 or $40.00 (£9.00 or $20.00 per Part)

Indian Journal of Pure and Applied Mathematics

Devoted primarily to original research in Pure and Applied Mathematics. First issued in January 1970
Periodicity : Quarterly up to 1971, bimonthly in 1972 and as a monthly journal from 1973.
Annual Subscription (including postage)
Rs. 250.00 (inland), £30.00 or $80.00 (foreign)
Single issue (including postage) Rs. 25.00 (inland) : £3.00 or $8.00 (foreign)

Biographical Memoirs of the Fellows of INSA

Contains memoirs on the deceased Fellows of the Academy. First issued in 1966 and priced individually.
Eight Volumes have been published so far. The nineth volume is in print.

Monographs

First issued in 1960 and priced individually.

Bulletins

Contain proceedings of the symposia. First issued in 1952 and are priced individually. The papers read at the symposium are now being published in the Proceedings also.

Popularisation of Science

Famous Plants by B. M. Johri & Sheela Srivastava. Rs. 7.50; $2.50

Year Book

A hand-book on the origin, functioning, activities, and rules & regulations of the Academy. First issued in 1960 and priced individually.

INSA Scientific Report Series

5 volumes have been published since 1978.

Special Publications

Use of Non-Human Primates in Biomedical Research (*Eds.* M. R. N. Prasad & T. C. Anand Kumar). Rs. 300.00; US $40.00 D.M. 100.00
Science and its Impact on Society—Indian experience Rs. 30.00; $10.00 & £5.00.

Recent Publications

Basic Sciences and Agriculture (1978) Rs. 30.00; $10.00
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The *INSA News* is issued by A. K. Bose, Executive Secretary, INSA.

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Printed at Kapoor Art Press, A 38/3, Mayapuri, New Delhi-110 064